

BOF					PROJECT	ENIEDO	יע כו	ENITE	5		JOB NO. SHEET N 24193-100 1			3	HOLE NO. B-113			
SITE GAS TU	IDRINI	=				ONATES		E 6,198,861		31 CI	INIE			24193-100	ANGLE FROM F		BEARING	D-113
BEGUN 4/22/19:		CON	MPLETE 23/199		DRILLE	R				DRILI	ING)		DRILL MAKE AND MODEL FAILING 1500	HOLE SIZE	OVERBURDEN 101.5		ROCK	TOTAL DEPTH 101.5
CORE RECOVERY CORE BOXES									SAMPLES EL. TOP OF CASING					GROUND EL.	DEPTH/EL. OF		DEPTH/EL. TO	-
NONE SAMPLE HAMMER WEIGHT\FALL									24 250.86 CASING LEFT IN HOLE: DIA/LENGTH LOGGED						LOGGED BY:			
	140 #\30 INCHES														KR BELL			
				OVERY		BLOWS							DESCRIPTION A	ND CLASS	IFICATION	1	NOTES ON WA	RN
SAMPLE TYPE AND DIAMETER	SAMPLE ADVANCE	LENGTH CORE RUN	CORE RECOVERY	SAMPLE BLOWS "N" PERCENT CORE RECOVERY	1ST 6 INCHED	SND 6 INCHES	3RD 6 INCHES	ELEVATION	рертн	GRAPHIC LOG	SAMPLE							
MCS	18"	12	."	11	6	7	4				1	Top 6" t	opsoil and roots (C	rganics)			0-2.5" 6"	diameter
	Dark brown, medium s								own, medium stiff,	SILT, dry			auger, below 2.5'					
												•					wash bor	
SS	18"	12	."	16	5	7	9		_		2	Dark bro	own, very stiff, SILT	Γ, trace clay	, dry		drilling m	ud
99	10"	10	,"	20	4	7	12		5		2	Brown	aard SII T traas s	lay and area	nice dry			
SS	18"	12	:	20	4	7	13				3	DIOWN,	hard, SILT, trace cl	iay and orga	инсѕ, агу			
SS	18"	12	,"	30	11	14	16				4	Brown, v	very stiff, SILT, dry					
									10									
SS	18"	14	."	23	7	10	13	-			5	Brown, v	very stiff, SILT, trad	ce clay, dry	-			
								238.86										
			_															
SS	18"	18	5"	7	2	3	4		15		6		nd gray mottled, m	edium stiff,	silty CLAY	to		
SS	18"	18	,"	5	2	2	3		15		7		SILT, moist and gray mottled, so	oft eilty CL/	V moiet to	n wet		
													and gray mounda, or	ort, only on	tt, molecu	5 WOL		
			_						20									
SS	18"	18	5"	3	0	1	2				8		nd gray mottled, ve d, moist to wet	ery soft, silty	/ CLAY, tra	ice	W.O.H fo	or 10"
									25									
SS	18"	18	3"	8	2	3	5				9	Brown a	nd gray mottled, m	edium stiff,	silty CLAY	,		
												moist to	wet					
		-							-									
00	10"	40	,,,	10	2	_	6	240.00	30		10	Top 40"	aama					
SS	18"	18)	10	2	4	6	219.86			10	Top 12" Bottom	6" Brown, medium	dense, fine	SAND		Drill chatt	ter at 32'
									35									
SS = SPLI	T SPOOR	N: ST = 5	SHELBY	Y TUBE; MC	S = MOI	DIFIED (CALF. SA	AMPLER	SITE	•		1					HOLE NO.	
D = DENN	ISON ; P	= PITCH	HER; O	= OTHER				GAS	S TURE	BINE							B-113	



BOF	G					PROJECT METCALF	ENERG	2V (2)	=NITE	•		JOB NO. SHEET N 24193-100 2			: 2	HOLE NO.		
ITE	IDDINI				COORE			1		SY C	ENIE	Χ	24193-100	ANGLE FROM F		F 3 B-113 BEARING		
GAS TU SEGUN	JKBINI	COMPL	ETED		DRILLE		2.41	E 6,198,861	.45				DRILL MAKE AND MODEL	HOLE SIZE	90° OVERBURDEN		ROCK	TOTAL DEPTH
4/22/1999								ROLLO (PITO	CHERE	ORILI	_ING)	l	FAILING 1500	4 3\4	101.		DESTRUCT TO	101.5
ORE RE	COVERY				NONE							SAMPLES 24	EL. TOP OF CASING	GROUND EL. 250.86	DEPTH/EL. OF (3W I	DEPTH/EL. TO	OP OF ROCK
		WEIGHT\F							CASING NONE		IN HOLE	: DIA./LENGT	н		LOGGED BY:			
140	1#\30	INCHES			PEN	IETRAT	TION		NONE		1				KR BELL		NOTES ON W	ATER LEVEL
													DECODIDEION		IEIO A TION		WATER RETU	
	li			۲۶	BLOWS								DESCRIPTION A	AND CLASS	IFICATION	l	CHARACTER	OF DRILLING
				ERCENT CORE RECOVERY														
ш Ж	ANCE	OVER)	SORE RECOVERY SAMPLE BLOWS 'N'	RE RE		"				(D								
AMPLE TYPE ND DIAMETER	SAMPLE ADVANCE	ENGTH CORE RUN	ORE RECOVERY AMPLE BLOWS	NT CO	ST 6 INCHED	ND 6 INCHES	NCHE			SRAPHIC LOG	ш							
SAMPLE TYPE	SAMPL	SAMPL	SAMPL	PERCE	ST61	I 9 QN	3RD 6 INCHES	ELEVATION	DEPTH	SRAPH	SAMPLE							
SS	18"	14"	3	5	16	16	21				11	Blackish	n brown, dense, me	edium to coa	arse SAND	, and		
		1										fine to c	oarse GRAVEL, tr	ace silt				
											-							
									40									
SS	18"	18"	3	5	15	17	18		40		12	Blackish	n brown, dense, me	ediium to co	arse SAND), and		
			Ť	•									oarse GRAVEL, tra		u. 00 0/ 12	,		
								207.86										
00	40"	0"	+ -		40	0.4			45		40	_						
SS	18"	2"	6	0	10	21	39				13	Brown,	very dense, gravel	size rock fr	agments			
									50									
SS	18"	7"	7	1	20	33	38				14		very dense fine to	coarse grav	el size rock			
								198.86				tragmen	its, some clay					
									55									
SS	18"	12"	4	2	21	21	21				15	Grayish	brown, dense, me	edium to coa	rse SAND,	and		
												fine to c	oarse GRAVEL					
		+							60									
SS	18"	9"	4	4	15	23	21		- 55		16	Grayish	brown, dense, me	edium to coa	rse SAND,	and		
													oarse GRAVEL, tra		· ·			
		-							-									
SS	18"	12"	7	4	19	34	40		65		17	Orangia	h brown, very dens	se modium	to coarse			
00	10	12	+ ′	→	18	54	40				L''		and fine to coarse					
									70									
e eni	T SPOOI	N: ST = SHE	LBY TUB	E; MC	S = MOE	IFIED C	CALF. S	AMPLER	SITE								HOLE NO.	



BOF	ORING LOG								ENERO	SY CF	NTF	₹		JOB NO. 24193-100			- 3	HOLE NO. B-113
SITE SAS TU	JRBIN	E				DINATES		E 6,198,861		J1 OL	-141121	<u> </u>		24193-100	ANGLE FROM F		BEARING	D-113
BEGUN COMPLETED DRILLER 4/22/1999 4/23/1999 TREATWELL & ROLLO (PIT													DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT)		ROCK	TOTAL DEPTH
4/22/1999 4/23/1999 TREATWELL & ROLLO (PITO CORE RECOVERY CORE BOXES							ROLLO (PITO	CHER DRILLING) FAILING 1500 SAMPLES EL. TOP OF CASING					4 3\4 GROUND EL.	DEPTH/EL. OF		DEPTH/EL. TO	101.5 OP OF ROCK	
					NON	E						24		250.86				
AMPLE HAMMER WEIGHT\FALL 140 #\30 INCHES									NONE		N HOLE	: DIA./LENGT	Н		LOGGED BY: KR BELL			
					PENETRATION												NOTES ON W	
						BLOWS	.						DESCRIPTION A	AND CLASS	SIFICATION	I	WATER RETU	
				VERY														
	띩	S	\ \ \ \	AMPLE BLOWS *N* FRCENT CORE RECOVERY														
7 PE	SAMPLE ADVANCE	ENGTH CORE RUN	SAMPLE RECOVERY	SAMPLE BLOWS "N"	무	S H	SH.			FOG								
SAMPLE TYPE	APLE A	ВТНС	APLE R	APLE B	ST 6 INCHED	ND 6 INCHES	RD 6 INCHES		ЕРТН	SRAPHIC LOG	MPLE							
s z SS	0)	-	୍ଥିତ 12"	O L	23	29	- е	ELEVATION	DEF	GRV	Ś	Drawa	uani danaa fina ta	madium CA	ND same	fina ta		
55	18"		12	65	23	29	36				10		very dense, fine to GRAVEL	medium SF	MD, Some	ille to		
																	Driller no	oted no
																	change i	n drilling
20	40"		40"		4.4	40	40	175.86	75		40	0		r.			to 75'	
SS	18"		10"	20	11	10	10				19	Gray, ve	ery stiff,CLAY, trac	e fine grave	l			
20	40"		411		40				80			0 1						
SS	18"		4"	35	13	14	21				20	Gray, ha	ard, silty CLAY, tra	ce gravel				
									85									
SS	18"	-	18"	23	6	8	14				21	Gray an	d brown mottled, v	ery stiff, silt	y CLAY			
									90									
SS	18"	-	18"	15	6	7	8				22	Brown,	stiff, clayey SILT					
	<u> </u>	_							95									
SS	18"	-	18"	33	10	14	19				23	Gray, ha	ard, CLAY					appeared
		+															to be she	
																		-
									100					· <u> </u>	•			
SS	18"	-	18"	32	9	14	18	4/0			24	Gray an	d brown mottled, h	ard, clayey	SILT		\vdash	
		\dashv						149.36				Bottom	of hole at 101.5 fee	et Hole are	uited to			
													upon completion of		ateu IU		+	
									105				, . , ,					
SS = SPLI	T SPOO	N: ST	Γ = SHELB	Y TUBE; MC	S = MOI	DIFIED (CALF. S	AMPLER	SITE							-	HOLE NO.	
= DENN	ISON ; F	P = Pl	TCHER; C	= OTHER				GA	S TURE	BINE							B-113	